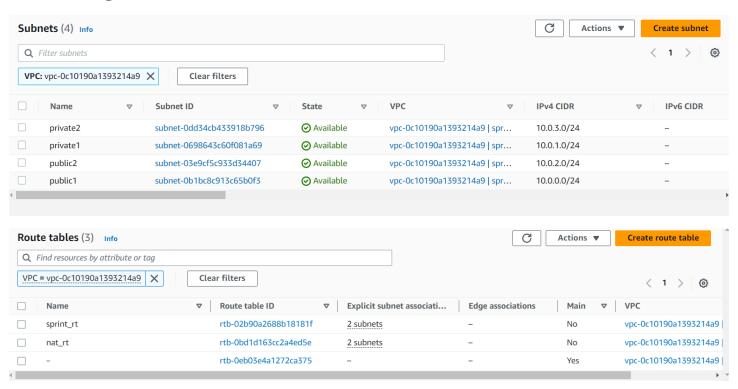
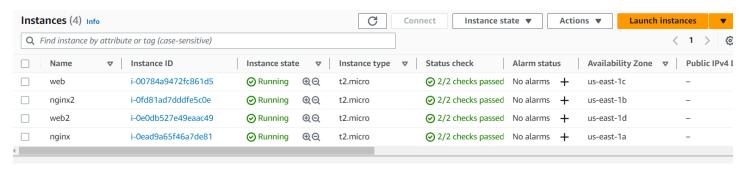
Accessing the private instances from public one

```
ubuntu@ip-10-0-0-148:~$ sudo chmod 400 lab2.pem
ubuntu@ip-10-0-0-148:~$ ssh -i "lab2.pem" ubuntu@10.0.1.38
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.19.0-1025-aws x86_64)
   Documentation: https://help.ubuntu.com
Management: https://landscape.canonical.com
   Support:
                      https://ubuntu.com/advantage
  System information as of Thu Jun 8 18:49:23 UTC 2023
  System load:
                 0.0
                                       Processes:
                                                                  96
  Usage of /: 8.1% of 19.20GB
                                       Users logged in:
  Memory usage: 23%
                                       IPv4 address for eth0: 10.0.1.38
  Swap usage:
Expanded Security Maintenance for Applications is not enabled.
O updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
```

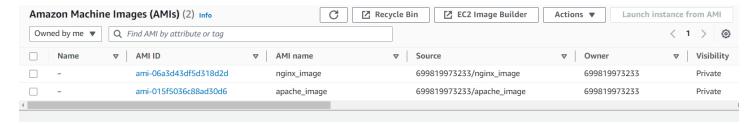
VPC configuration



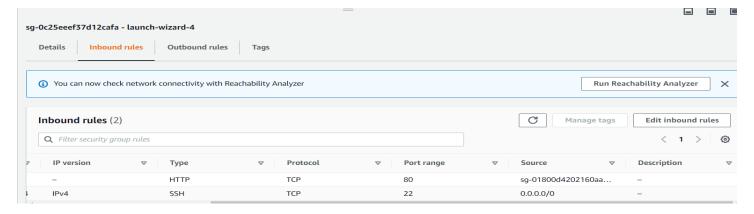
Working instances



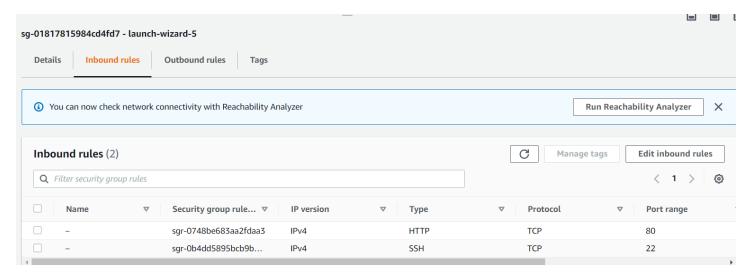
I configured one nginx and apache instance then make an image form them to make two more with the same configuration



Nginx instances security group



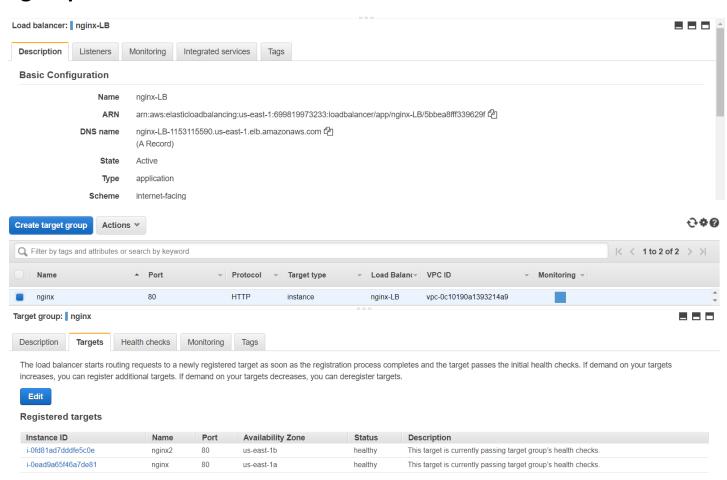
Apache instances security group



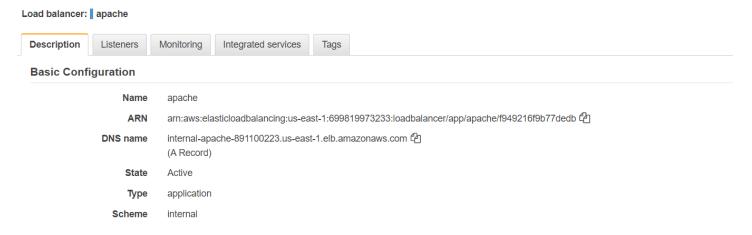
Load balancers

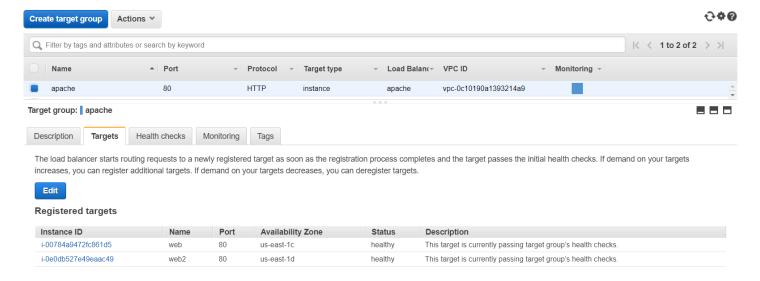


Nginx public load balancer

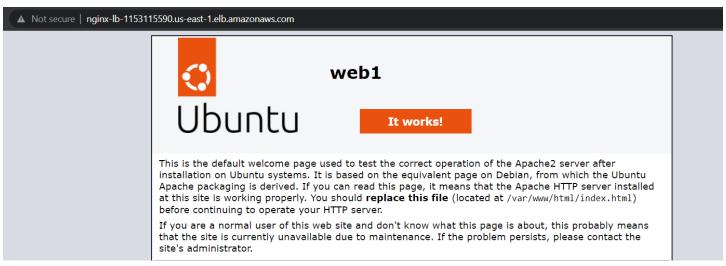


Apache private load balancer



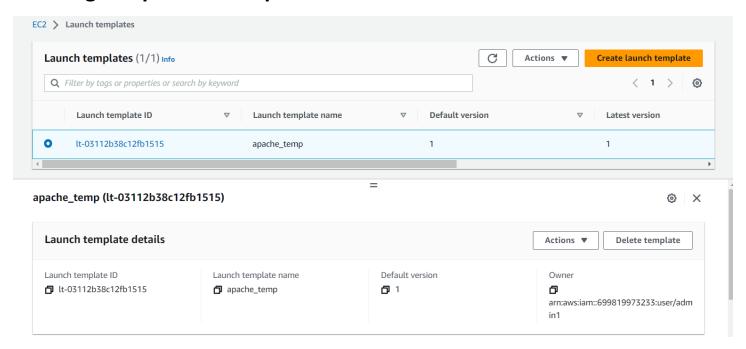


Accessing web server using public load balancer DNS

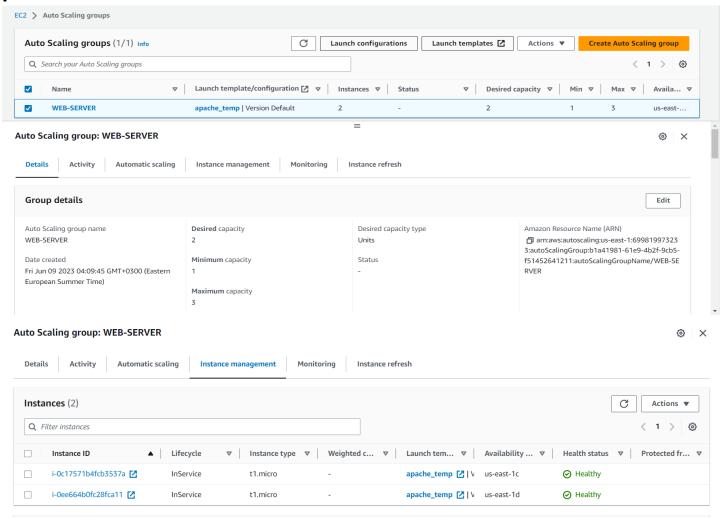




Creating template from apache AMI



Creating auto scaling group using the apache template and connect it to private load balancer



Accessing web server using public load balancer DNS

